

COMMISSION 27 OF THE I. A. U.
INFORMATION BULLETIN ON VARIABLE STARS

NUMBER 777

Konkoly Observatory
Budapest
1973 March 21

S10760 - A VERY DISTANT RR-LYRAE-STAR

On plates taken with the Tautenburg 134cm Schmidt telescope I discovered an RR-Lyrae-star (S10760) with $P = 0^d.62722$ (Mitt. veränderl. Sterne 6, 37). Its B-magnitudes were measured to be in the range $18^m.9$ to $19^m.9$. The interstellar extinction can be neglected (Pfau, AN 287, 97) in this way the distance of the star can be estimated from $m-M = 19^m$ to be 63 kpc.

TWO NEW VARIABLE EXTRAGALACTIC OBJECTS

The nebulous object S10721 found by Meinunger and Richter (Mitt. veränderl. Sterne 5, 139) on Tautenburg plates is identical with the radio source No. 54 of the 5C3 catalogue (Pooley, 1969:MN 144, 101).

The object S10765 (Meinunger, Mitt. veränderl. Sterne 6, 37); found on Tautenburg plates, too, appears slightly nebulous on the best plates. Radio emission was as yet not detected. The character of the brightness variations of both objects can be explained by supernova explosions, a hypothesis already suggested by Kurochkin (IBVS 743) in the case of 3C 446.

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